

ABSTRACT OF THE DISCLOSURE

A digital cellular phone system by which a user can set up a group and a cellular phone applied thereto are disclosed. When a registration was sent to the digital cellular phone system, it can be determined whether a member of the group is within the communication range of a same or neighboring base station of a user. When a member is within the communication range of a same base station of the user, the user is informed by short message service. In addition, when the member is within the communication range of a same base station of the user, the user can register for the location information of the member and the distance between the user and the member.